BRUHAT BANGALORE MAHANAGARA PALIKE

YELHANKA ZONE ELECTRICAL DIVISION

Name of Work:- Detailed Estimate for arranging power supply to an extent of 600KVA Under HT Installation for Sewage treatment plant in favour of M/s BEL. Thindlu Yelahanka Bangaluru-97 in O and M 22A C9 Sub division Under SELF EXECUTION.
(Arranging power supply to an extent of 600KVA Under HT Installation at Doddabomasandra lake Sewage Treatment plant in ward No 10.)

Budget Head .....

Division No..... Estimate No. ..... For Rs. **5075000.00**

Sl.No.	SR Page & SL No	Description of Work	Unit	Qty	Rate	Amount
		PART -A EXTENSION OF HT 11KV LINE				
1	Bescom Sr	Supplaying of 4 Way RMU, 2OD + 2VL (One Incomer + TWo Breakers + One Outgoing) with DAS Specification as per BESCOM Specification	No	1	834600.00	834600.00
2	Bescom Sr	Supplaying of Spun pole 11.0 mtr long as per BESCOM Specification	No	4	16850.00	67400.00
3	Bescom Sr	Supplaying of H Frame set for 11KV 400A Double break GOS mounting as per BESCOM Specification	SET	6	3724.00	22344.00
4	Bescom Sr	Supplaying of 11kV G.O.S 400A Double break as per BESCOM Specification	Set	6	17545.00	105270.00
5	Bescom Sr	Supplaying of Earthing materials as per BESCOM Specification	No.	6	1501.00	9006.00
6	Bescom Sr	Erection of 4 Way RMU, 2OD + 2VL (One Incomer + TWo Breakers + One Outgoing) with DAS Specification as per BESCOM Specification	No	1	4972.00	4972.00
7	Bescom Sr	Erection of Supplaying of Spun pole 11.0 mtr long as per BESCOM Specification	No	4	1650.00	6600.00
8	Bescom Sr	Erection ofH Frame set for 11KV 400A Double break GOS mounting as per BESCOM Specification	SET	6	210.00	1260.00
9	Bescom Sr	Erection of11kV G.O.S 400A Double break as per BESCOM Specification	Set	6	636.00	3816.00
10	Bescom Sr	Erection of Earthing materials as per BESCOM Specification	No.	6	507.00	3042.00
11	Bescom Sr	Digging of pit for providing GI pipe type earthing	Per pit	6	503.00	3018.00
12	Bescom Sr	Pole Base 11mt spun pole concreting	Per base	4	730.00	2920.00
		PART-B HT METERING CUBICLE				
13	Bescom Sr	Supplaying of Load Break Switch 11 KV class as per BESCOM Specification	Nos	1	56640.00	56640.00
14	Bescom Sr	Construction of plat form (1.5x1.5x1.2) mtr in size stone, for erection of transformers/ Heavy equipment including all materials,labour as per BESCOM Specification	per structure	2	26401.00	52802.00
15	Bescom Sr	Supplaying of Earthing materials as per BESCOM Specification	No.	3	1501.00	4503.00
16	Bescom Sr	Supplaying of Straight through jointing kit 3X95 Sq mm as per BESCOM Specification	No.	8	6481.00	51848.00
17	Bescom Sr	Supplaying of Cable termination kit 3X95 Sq mm XLPE indoor as per BESCOM Specification	set	5	3319.00	16595.00

18	Bescom Sr	Supplaying of Cable termination kit 3X95 Sq mm XLPE outdoor as per BESCOM Specification	set	5	3605.00	18025.00
19	Bescom Sr	Supplaying of GI Pipe 100mm Dia for drain crossing, cable rising etc	mtr	12	1242.00	14904.00
20	Bescom Sr	Supplaying of River Sand	cmt	90	1700.00	153000.00
21	Bescom Sr	Supplaying of Cable Covering Tiles 125x125x40 mm	per 1000	12	5000.00	60000.00
22	Bescom Sr	Cable trench excavation (0.75x1.0x1.5KM CABLE LENGHT)	Cmt	1125	226.00	254250.00
23	Bescom Sr	Supplaying of RCC Hume pipe 2000mm long, 150mm dia	No.	45	300.00	13500.00
24	Bescom Sr	Supplaying of Collars for RCC Hume pipe	No.	45	80.00	3600.00
25	Bescom Sr	Supplaying of Route and Joint indicating stones	No.	30	130.00	3900.00
26	Bescom Sr	Erection of Load Break Switch 11 KV class as per BESCOM Specification	Nos	1	2078	2078.00
27	Bescom Sr	Erection of 11kV HT Metering cubicle of different CT Ratio, Both side cable entry type with 3CT & 3PTs, With Transparent Cover TTB, with 30x8mm Cu Bus bars, Modem and 2 Nos of Meters for 3Ph 4 Wire Metering without Load Break Switch (HT Metering Box Fabricated out of 3mm MS Sheet duly epoxy powder coated) as per revised Specification as per BESCOM Specification	Nos	1	1364.00	1364.00
28	Bescom Sr	Erection of Earthing materials as per BESCOM Specification	No.	3	503.00	1509.00
29	Bescom Sr	Erection of Straight through jointing kit 3X95 Sq mm as per BESCOM Specification	No.	8	1865.00	14920.00
30	Bescom Sr	Erection of Cable termination kit 3X95 Sq mm XLPE indoor as per BESCOM Specification	set	5	1709.00	8545.00
31	Bescom Sr	Erection of Cable termination kit 3X95 Sq mm XLPE outdoor as per BESCOM Specification	set	5	1709.00	8545.00
32	Bescom Sr	Erection of GI Pipe 100mm Dia for drain crossing, cable rising etc	mtr	12	50.00	600.00
33	Bescom Sr	Spredding of River Sand	cmt	90	167.68	15091.20
34	Bescom Sr	laying of Cable Covering Tiles 125x125x40 mm	per 1000	12	2863.00	34356.00
35	Bescom Sr	laying of RCC Hume pipe 2000mm long, 150mm dia	No.	45	44.00	1980.00
36	Bescom Sr	Erection of Route and Joint indicating stones	No.	30	75.00	2250.00
37	Bescom Sr	Refilling and consolidation	Cmt	825	50.00	41250.00

3	PWD Ele Sr 71/8.3.1	HT Cable GROUP A: Supplying and laying of high tension 11KV cable, Dry Curing & Dry Cooling with true triple extrusion, simultaneously through a single common head, 3 core under ground XLPE (E) cable having stranded compact circular aluminium conductor, screened insulated, insulation screened with extruded semiconducting compound in combination with copper tape, core laid up extruded inner sheathed of GI flat strip armoured and overall PVC sheathed with specified IS 7098/11/85 with latest amendments & confirming to the GTP of GROUP-A 3Cx95sqmm	mtr	3000	1040.00	3120000.00
		Mislenious & Electrical Inspectorate charges	Ls			54696.80
		Total Rs				5075000.00

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on BESCOM 2018-19 CSR & KPWD (Ele) S.R.2014-15.

K.N. Reddy
Jr/Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
yelhanka zone
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YELHANKA ZONE
BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 50,75,000/-
Rupees Fifty Lakh Seventy Five Thousand Only
D0541
EMERGENCY RESERVE FUND
Registered vide 02/2019-20 Subject to conditions
No. BBMP/CE(E)E/42/AS/02/19-20
Dt 25.05.2019
Superintending Engineer

Technical Sanction
Accorded For Rs-5075000.00
Head of A/C D0541
CER NO :28 Dt:27/5/19
TA CE (YNK)